

### ABSTRACT OF THE DISCLOSURE

Disclosed is a multi-function actuator comprising: a case having an internal space; a vibrating coil installed in the case for generating vibration; a diaphragm for generating sound with an outer end being fixed to the upper end of the case; a voice coil fixedly installed in the bottom of the diaphragm for generating sound according to a sound source and having an notch filter; a vertically magnetized magnet; an upper plated attached to the magnet for constituting a magnetic circuit; a yoke for constituting the magnetic circuit together with the magnet; a weight for constituting a vibrator body together with the magnet, the upper plate and the yoke; and a suspension spring for supporting the vibrator body. In generating sound, sound quality is improved without influencing sound while vibration is reduced.